

# ReedSmith



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November 16, 2006

Honorable Commissioner of Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. National Phase Application Serial No. 10/584,629  
Filed: June 26, 2006  
For: *Poly (Arylene Sulfide) and Production  
Process Thereof*  
Inventor(s): Sato, et al.  
Our Ref No.: 358275.30010

Dear Sir/Madam:


We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above-identified National Phase application.

1. Information Disclosure Statement;
2. Form PTO 1449;
3. Thirty (30) cited references; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the filing date and returned to our courier.

Respectfully submitted,

REED SMITH, LLP

  
Mark R. Shanks  
Reg. No. 33,781

MRS:sg  
Enclosures

LONDON ♦ NEW YORK ♦ LOS ANGELES ♦ SAN FRANCISCO ♦ WASHINGTON, D.C. ♦ PHILADELPHIA ♦ PITTSBURGH ♦ OAKLAND  
PRINCETON ♦ FALLS CHURCH ♦ WILMINGTON ♦ NEWARK ♦ MIDLANDS, U.K. ♦ CENTURY CITY ♦ RICHMOND ♦ LEESBURG

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DT/



Att'y Dkt. No.: 358275.30010

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

SATO, et al

Appl. Serial No.: 10/584,629

Filing Date: June 26, 2006

Title: Poly(Arylene Sulfide) and Production  
Process Thereof

Art Unit:

Examiner:

Att'y. Docket: 358275.30010

**INFORMATION DISCLOSURE STATEMENT**

U.S. Patent and Trademark Office  
Customer Window, Mail Stop Amendment  
Randolph Building  
Alexandria, VA 22314

Sir:

Listed on the accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that an exhaustive search has been made, or that there does not exist information more material to the examination of the present patent application. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will review art of record in all 35 U.S.C. § 120 priority documents.

☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

☐2. The Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐c. Attached is our check no. \_\_\_\_\_ in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).

☐3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicants hereby petition that the Information Disclosure Statement be considered. Attached is our check no. \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

☐a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐b. I hereby certify that no item of information on this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☒4. Relevance of the non-English language document(s) is discussed in the present specification. See pages 2-3 and 6 of the specification of the present application.

☐5. The document(s) was/were cited in a corresponding foreign application. ☐ A copy of a search report issued in the foreign application is attached. ☐ An English language version of the foreign search report is attached for the Examiner's information. M.P.E.P. § 609 (A)(3).

☐6. A concise explanation of the relevance of the non-English language document(s) ☐ is attached hereto or ☐ appears below.

- ☐ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☒ 9. Other: Documents were cited in the International Search Report.


It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. **50-0622**

Respectfully submitted,

REED SMITH LLP

By:

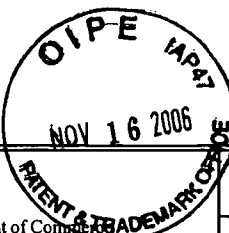
  
Mark R. Shanks  
Reg. No. 33,781

Date:

11/16/06

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|--|---|--|
| Form PTO 1449<br><br>U.S. Department of Commerce<br>Patent and Trademark Office<br><br>Information Disclosure Statement by Applicant | ATTY. DOCKET NUMBER<br>358275.30010<br><br>APPLICANT<br>SATO, et. al.<br><br>FILING DATE<br>June 26, 2006 | SERIAL NUMBER<br>10/584,629<br><br>GROUP |
|--|---|--|

## U.S. Patent Documents

| Examiner Initial | DOCUMENT NUMBER | DATE          | NAME             | CLASS | SUB-CLASS | FILING DATE   |
|------------------|-----------------|---------------|------------------|-------|-----------|---------------|
|                  | 4,786,711       | Nov. 22, 1988 | Senatore, et al. |       |           | Jan. 23, 1987 |
|                  | 4,767,841       | Aug. 30, 1988 | Goetz, et al.    |       |           | Feb. 24, 1987 |
|                  | 5,744,576       | Apr. 28, 1998 | Miyahara, et al. |       |           | July 7, 1997  |
|                  | 2006/0074219 A1 | Apr. 6, 2006  | Kawama, et al.   |       |           | Jan. 21, 2004 |

## Foreign Patent Documents

| Examiner Initial | DOCUMENT NUMBER | DATE           | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |    |
|------------------|-----------------|----------------|---------|-------|-----------|-------------|----|
|                  |                 |                |         |       |           | YES         | NO |
|                  | 62-185718       | Aug. 14, 1987  | Japan   |       |           | Abstract    |    |
|                  | 62-220522       | Sept. 28, 1987 | Japan   |       |           | Abstract    |    |
|                  | 61-228023       | Oct. 11, 1986  | Japan   |       |           | Abstract    |    |
|                  | 6-51792         | Jun. 7, 1994   | Japan   |       |           |             | X  |
|                  | 0 278 276 A1    | Aug. 17, 1988  | EP      |       |           | X           |    |
|                  | 6-51793         | Jun. 7, 1994   | Japan   |       |           |             | X  |
|                  | 0-280-274 A2    | Aug 31, 1988   | EP      |       |           | X           |    |
|                  | 04-139215       | May 13, 1992   | Japan   |       |           | Abstract    |    |
|                  | 10-265575       | Oct. 6, 1998   | Japan   |       |           | Abstract    |    |
|                  | 02-302436       | Dec. 14, 1990  | Japan   |       |           | Abstract    |    |
|                  | 05-271414       | Oct. 19, 1993  | Japan   |       |           | Abstract    |    |
|                  | 2001-181394     | July 3, 2001   | Japan   |       |           | Abstract    |    |
|                  | 02-160834       | June 20, 1990  | Japan   |       |           | Abstract    |    |
|                  | 08-183858       | July 16, 1996  | Japan   |       |           | Abstract    |    |
|                  | 0-720-998-A2    | July 10, 1996  | EP      |       |           | X           |    |
|                  | 2003-292623     | Oct. 15, 2003  | Japan   |       |           | Abstract    |    |
|                  | 2000-273175     | Oct. 3, 2000   | Japan   |       |           | Abstract    |    |
|                  | 2000-136246     | May 16, 2000   | Japan   |       |           | Abstract    |    |
|                  | 07-118389       | May 9, 1995    | Japan   |       |           | Abstract    |    |
|                  | 0-648-797-A2    | Apr. 19, 1995  | EP      |       |           | X           |    |
|                  | 04-139215       | May 13, 1992   | Japan   |       |           | Abstract    |    |
|                  | 2000-191785     | July 11, 2000  | Japan   |       |           | Abstract    |    |
|                  | 2004-244619     | Sept. 2, 2004  | Japan   |       |           | Abstract    |    |
|                  | 1-586-601-A1    | Oct. 19, 2005  | EP      |       |           | X           |    |
|                  | 2004-217895     | Aug. 5, 2004   | Japan   |       |           | Abstract    |    |

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

|          |                             |                 |
|----------|-----------------------------|-----------------|
|          | International Search Report |                 |
|          |                             |                 |
| EXAMINER | /Duc Truong/                | DATE CONSIDERED |
|          |                             | 08/12/2009      |

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DT/